

Message

From: Davis, Eva [Davis.Eva@epa.gov]
Sent: 8/22/2016 2:25:45 PM
To: d'Almeida, Carolyn K. [dAlmeida.Carolyn@epa.gov]; Dan Pope [DPope@css-dynamac.com]; Levine, Herb [Levine.Herb@epa.gov]; Brasaemle, Karla [KBrasaemle@TechLawInc.com]
CC: Wayne Miller [Miller.Wayne@azdeq.gov]
Subject: RE: ST12 meeting next week
Attachments: Sulfate-Nitrate Enhanced Bioremediation.pdf

Just to re-inforce what we already know, I came across this slide deck – note:

slide 9 - push-pull tests, as were used by Amec in EBR pilot, leads to one to two order of magnitude greater estimated first order rate constant – indicates that these results may be unrealistically high

slide 18 - sulfate preferentially stimulated removal of o-X, but not B, EB, and mX), 25 (H2S not a problem if there is sufficient iron to sequester it, but very large amount of sulfate to be added here - do we have data to show that there is enough iron to sequester it and not form H2S?

slide 35 - Site Selection Criteria for Sulfate – sites with residual impact (“sheen” or high dissolved), but not with “gross” free product impacts

slide 41 - graph shows B concentrations level off, do not continue to decline, still way above MCL

From: d'Almeida, Carolyn K.
Sent: Friday, August 19, 2016 6:11 PM
To: Davis, Eva <Davis.Eva@epa.gov>; Dan Pope <DPope@css-dynamac.com>; Levine, Herb <Levine.Herb@epa.gov>; Brasaemle, Karla <KBrasaemle@TechLawInc.com>
Cc: Wayne Miller <Miller.Wayne@azdeq.gov>
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I just talked to Angeles. She indicated to me that her understanding from Phil is that following Amecs presentation of the data, AF will be looking for us to provide input on what additional data we want to see. Lets have a laundry list ready to give them on Wednesday.

From: d'Almeida, Carolyn K.
Sent: Friday, August 19, 2016 2:35 PM
To: Davis, Eva <Davis.Eva@epa.gov>; Levine, Herb <Levine.Herb@epa.gov>; 'Dan Pope' <DPope@css-dynamac.com>
Cc: 'Brasaemle, Karla' <KBrasaemle@TechLawInc.com>
Subject: RE: GMR paper

I've updated this with a few more figures and added what notes I have from Steves field note during drilling. You can add your notes to share on top of this